

[*Solder Bump Structure and Laser Repair Process for Memory Device*]

Abstract of Disclosure

A solder bump structure and laser repair process for memory device include forming a first dielectric layer on a bump pad of a semiconductor wafer. After that, the first dielectric layer is etched to form a contact hole and to expose portions of the bump pad. A second dielectric layer is then formed on a surface of the semiconductor wafer outside of the contact hole. An under bump metallurgy (UBM) process is performed to form a metal layer on a surface of the contact hole, and a solder bump is formed on the metal layer. Finally, the laser repair process for memory device is completed.